



Product Overview

NCP4688: Linear Voltage Regulator, LDO, Low Noise, 150 mA

For complete documentation, see the data sheet

Product Description

The NCP4688 is a CMOS 150mA LDO linear voltage regulator with high output voltage accuracy which features a low noise output voltage and high ripple rejection. The low level of output noise 10uVrms typically is kept at any output voltage. The very common SOT23-5 package and small uDFN 1x1 package are suitable for industrial applications, portable communication equipments and RF modules.

Features

- Very high PSRR of 80 dB
- Very small package 1x1mm

Benefits

- Very good noise cancelation device
- Idea for very condensed PCB

Applications

- Home Appliances, Industrial Equipment
- Cable Boxes, Satellite Receivers, Entertainment Systems
- Car Audio Equipment, Navigation Systems
- Notebook Adaptors, LCD TVs, Cordless Phones and Private LAN Systems

Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Max (V)	V _{DO} Typ (V)	I _q Typ (mA)	PSRR (dB)	Noise (μV _{rms})	Package Type
NCP4688DMU12TCG	Pb-free	Active	Single	Positive	1.2	0.15	6	0.39	0.1	75	10	UDFN-4
NCP4688DMU15TCG	Pb-free	Active	Single	Positive	1.5	0.15	6	0.32	0.1	75	10	UDFN-4
NCP4688DMU18TCG	Pb-free	Active	Single	Positive	1.8	0.15	6	0.29	0.1	75	10	UDFN-4
NCP4688DMU25TCG	Pb-free	Active	Single	Positive	2.5	0.15	6	0.22	0.1	75	10	UDFN-4
NCP4688DMU28TCG	Pb-free	Active	Single	Positive	2.8	0.15	6	0.2	0.1	75	10	UDFN-4
NCP4688DMU30TCG	Pb-free	Active	Single	Positive	3	0.15	6	0.2	0.1	75	10	UDFN-4
NCP4688DMU33TCG	Pb-free	Active	Single	Positive	3.3	0.15	6	0.2	0.1	75	10	UDFN-4
NCP4688DSN12T1G	Pb-free	Active	Single	Positive	1.2	0.15	6	0.39	0.1	75	10	SOT-23-5
NCP4688DSN15T1G	Pb-free	Active	Single	Positive	1.5	0.15	6	0.32	0.1	75	10	SOT-23-5
NCP4688DSN18T1G	Pb-free	Active	Single	Positive	1.8	0.15	6	0.29	0.1	75	10	SOT-23-5
NCP4688DSN25T1G	Pb-free	Active	Single	Positive	2.5	0.15	6	0.22	0.1	75	10	SOT-23-5
NCP4688DSN28T1G	Pb-free	Active	Single	Positive	2.8	0.15	6	0.2	0.1	75	10	SOT-23-5
NCP4688DSN33T1G	Pb-free	Active	Single	Positive	3.3	0.15	6	0.2	0.1	75	10	SOT-23-5

For more information please contact your local sales support at www.onsemi.com

Created on: 7/11/2015